

TRUCKEE RIVER BASIN, LAKE TAHOE

10336674 WARD CREEK BELOW CONFLUENCE, NEAR TAHOE CITY, CA

LOCATION.—Lat 39°08'27", long 120°12'40", in SE 1/4 SE 1/4 sec.16, T.15 N., R.16 E., Placer County, Hydrologic Unit 16050101, Tahoe National Forest, on left bank, 0.1 mi downstream from confluence with unnamed tributary, 3.2 mi west of William Kent Campground, and 4.8 mi southwest of Tahoe City.

DRAINAGE AREA.—4.96 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.—October 1991 to current year.

GAGE.—Water-stage recorder. Elevation of gage is 6,600 ft above NGVD of 1929, from topographic map.

REMARKS.—Records good except for estimated daily discharges, which are fair. No storage or diversion upstream from station. See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River Basin.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 1,220 ft³/s, Jan. 1, 1997, gage height, 8.85 ft, from crest stage gage; no flow for some days in most years.EXTREMES FOR CURRENT YEAR.—Peak discharges greater than base discharge of 50 ft³/s, or maximum:

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Apr. 5	1845	52	4.39	May 28	0530	90	4.69
May 4	1645	130	4.93				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.24	0.31	0.52	e1.5	1.3	2.6	22	48	45	15	0.94	0.21
2	0.25	0.52	0.66	e1.3	1.4	2.4	19	61	44	13	0.90	0.20
3	0.26	0.49	0.64	e1.2	1.3	2.4	22	72	43	11	0.84	0.23
4	0.26	0.50	0.56	1.2	1.2	2.4	29	87	41	10	0.81	0.24
5	0.27	0.54	e0.96	1.2	1.2	2.4	37	87	38	9.3	0.83	0.23
6	0.27	0.59	e2.9	1.2	1.2	2.6	34	73	38	8.5	0.77	0.21
7	0.26	0.61	e2.4	1.2	1.2	3.1	33	64	35	7.9	0.73	0.20
8	0.25	0.61	e1.5	1.6	1.2	4.0	36	63	31	7.1	0.67	0.18
9	0.24	0.69	e1.1	1.7	1.2	4.9	37	57	28	6.4	0.62	0.17
10	0.26	0.64	e1.3	1.5	1.2	6.3	36	45	26	6.0	0.58	0.16
11	0.29	0.71	1.5	1.4	1.2	7.2	35	35	24	5.4	0.55	0.14
12	0.28	0.67	1.3	1.4	1.2	8.3	38	32	24	4.8	0.54	0.13
13	0.28	0.58	e1.2	1.4	1.2	9.7	36	36	24	4.2	0.51	0.15
14	0.27	0.58	e1.2	1.4	1.2	12	31	41	26	3.8	0.49	0.17
15	0.26	0.61	1.3	1.4	1.2	15	28	43	26	3.5	0.51	0.17
16	0.27	0.58	1.2	1.4	6.5	16	24	45	25	3.2	0.44	0.17
17	0.27	0.72	1.2	1.3	12	16	22	48	25	2.9	0.40	0.18
18	0.26	0.92	1.1	1.4	5.5	18	19	43	24	2.7	0.38	0.20
19	0.26	0.99	1.2	1.3	4.3	22	18	41	23	2.5	0.36	0.29
20	0.25	0.75	1.9	1.4	3.8	23	17	40	21	2.3	0.35	0.37
21	0.25	0.60	1.7	1.4	3.5	27	16	37	19	2.1	0.33	0.35
22	0.25	0.58	1.5	1.3	3.2	29	15	39	19	1.9	0.36	0.33
23	0.25	0.54	1.4	1.3	3.1	32	17	39	18	1.8	0.38	0.30
24	0.27	0.47	2.1	1.3	2.9	31	21	38	17	1.6	0.38	0.27
25	0.27	0.42	1.9	1.3	e2.8	25	27	37	16	1.5	0.35	0.24
26	0.27	0.41	1.6	1.3	e2.7	19	36	38	14	1.4	0.35	0.23
27	0.27	0.44	1.4	1.3	2.6	17	51	48	13	1.4	0.37	0.23
28	0.27	0.40	1.4	1.2	2.6	17	55	64	13	1.3	0.32	0.22
29	0.27	0.67	e1.3	1.2	2.6	19	43	46	12	1.2	0.26	0.24
30	0.34	0.53	e1.3	1.4	---	23	42	45	12	1.1	0.24	0.27
31	0.29	---	e1.5	1.3	---	24	---	45	---	1.0	0.23	---
TOTAL	8.25	17.67	42.74	41.7	76.5	443.3	896	1537	764	145.8	15.79	6.68
MEAN	0.27	0.59	1.38	1.35	2.64	14.3	29.9	49.6	25.5	4.70	0.51	0.22
MAX	0.34	0.99	2.9	1.7	12	32	55	87	45	15	0.94	0.37
MIN	0.24	0.31	0.52	1.2	1.2	2.4	15	32	12	1.0	0.23	0.13
AC-FT	16	35	85	83	152	879	1780	3050	1520	289	31	13

e Estimated.

TRUCKEE RIVER BASIN, LAKE TAHOE

10336674 WARD CREEK BELOW CONFLUENCE, NEAR TAHOE CITY, CA—Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2004, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	0.61	1.69	4.33	9.46	6.71	11.8	26.0	59.8	50.7	17.5	2.48	0.58
MAX	1.43	9.82	27.2	68.8	32.5	26.9	43.1	93.5	127	88.7	16.0	1.94
(WY)	1999	1997	1997	1997	1996	1995	1997	1996	1998	1995	1995	1995
MIN	0.11	0.45	0.69	0.82	0.95	5.85	12.6	20.5	3.67	0.81	0.02	0.01
(WY)	1993	1996	1995	1992	1994	1994	2003	1992	1992	1994	1992	1992

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1992 - 2004
ANNUAL TOTAL	5347.17	3995.43	
ANNUAL MEAN	14.6	10.9	
HIGHEST ANNUAL MEAN			16.0
LOWEST ANNUAL MEAN			29.0
HIGHEST DAILY MEAN	146	May 29	5.56
LOWEST DAILY MEAN	0.19	Sep 27	1992
ANNUAL SEVEN-DAY MINIMUM	0.20	Sep 23	0.00
MAXIMUM PEAK FLOW		87 May 4	Aug 21 1992
MAXIMUM PEAK STAGE		0.13 Sep 12	0.00 Sep 9 1992
ANNUAL RUNOFF (AC-FT)	10610	0.16 Sep 9	1220 Jan 1 1997
10 PERCENT EXCEEDS	45	130 May 4	8.85 Jan 1 1997
50 PERCENT EXCEEDS	4.1	4.93 May 4	48
90 PERCENT EXCEEDS	0.27	38	3.2
		0.26	0.36